

ELD5 inverter will repair Instrument Cluster Illumination Issue for the following cars.

<i>Make / Model</i>	<i>Production years</i>	<i>Trim</i>	<i>Engine</i>
Chrysler Sebring	2007 - 2009	All	All
Dodge Caliber	2006 - 2009	All	All
Dodge Avenger	2007 - 2009	All	All
Dodge Grand Caravan	2007 - 2009	All	All
Chrysler Town & Country	2007 - 2009	All	All

Install Instructions for

Dodge Caliber Dodge Avenger Chrysler Sebring

General Description

ELD5 it's a digital inverter designed to drive large EL panels. The ON/OFF and dimming are controlled by external microprocessor through its digital interface. In this way it seamlessly integrates with modern instrument clusters. ELD5 talking with dashboard's processor makes a repaired Instrument Cluster to work exactly as original.



- ☑ It drives the large EL Panel of instrument cluster without any problem
- ☑ Designed to be easy installed and fit inside the Instrument Cluster box
- ☑ Retaining the same functionality as original one including dimming capability
- ☑ Capable of outputting a whopping 175 Vrms under load, compared with 114Vrms of original, so the maximum brightness can be higher than original

Install Instructions

Basically, all its need to install ELD5 into the Instrument Cluster Box is:

- Cut four PCB traces
- Solder six wires

Further, we will present the recommended procedures, step by step to accomplish this task.

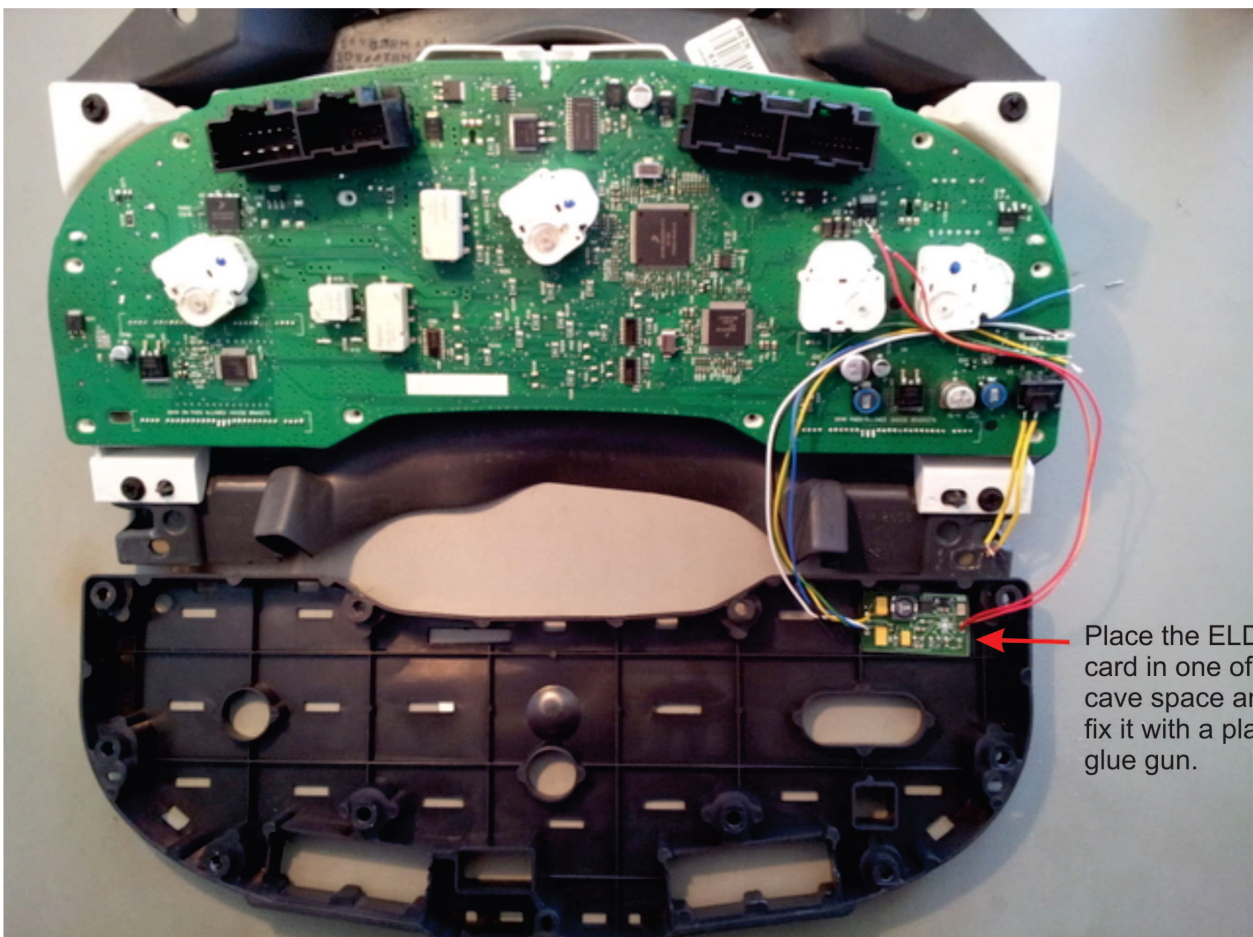
1. Remove the dashboard instrument cluster from the car.



Details about this procedure could be found on Tech Manual of specific car (Chrysler Sebring, Dodge Caliber, Dodge Avenger) or consult the F.A.Q of ELD5 product webpage.

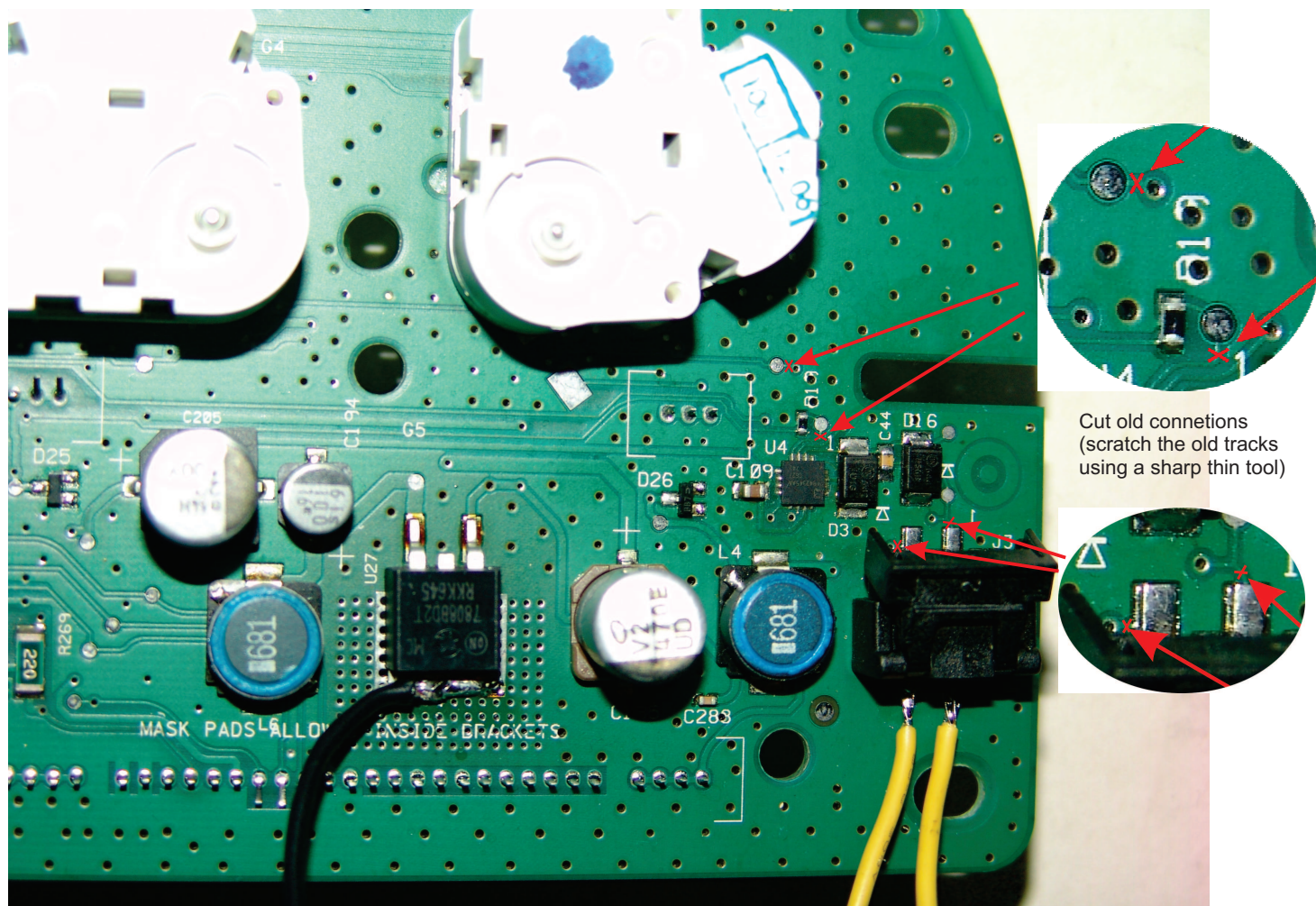
2. Place the dashboard on your working bench, bottom up, and remove the plastic back cover and place it near as indicated in picture bellow.

3. Place the ELD 5 add-on card in to one of the available plastic gopher of the back plastic cover and secured it in place with plastic glue gun.



Place the ELD5 card in one of the cave space and fix it with a plastic glue gun.

4. Disconnect the backlight electroluminescent foil from the board by unplugging transparent ribbon cable from the black socket. Using a sharp razor or fine metal tip tool, cut the four PCB traces. The points where traces must be cut are marked in picture bellow with red tiny "x" signs.



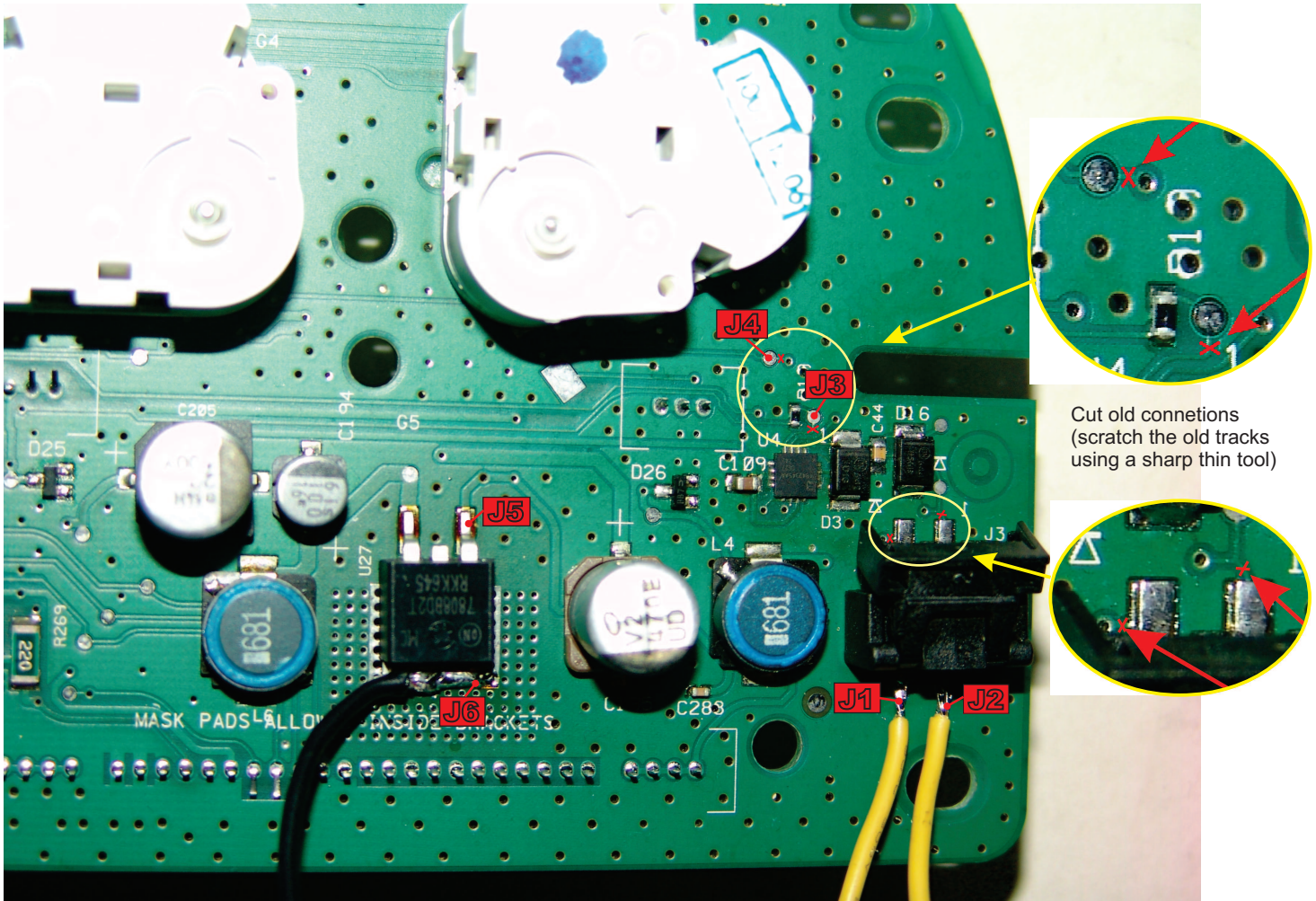
Cut each of the four traces in the indicated points. "x" marks the spot

! WARNING !

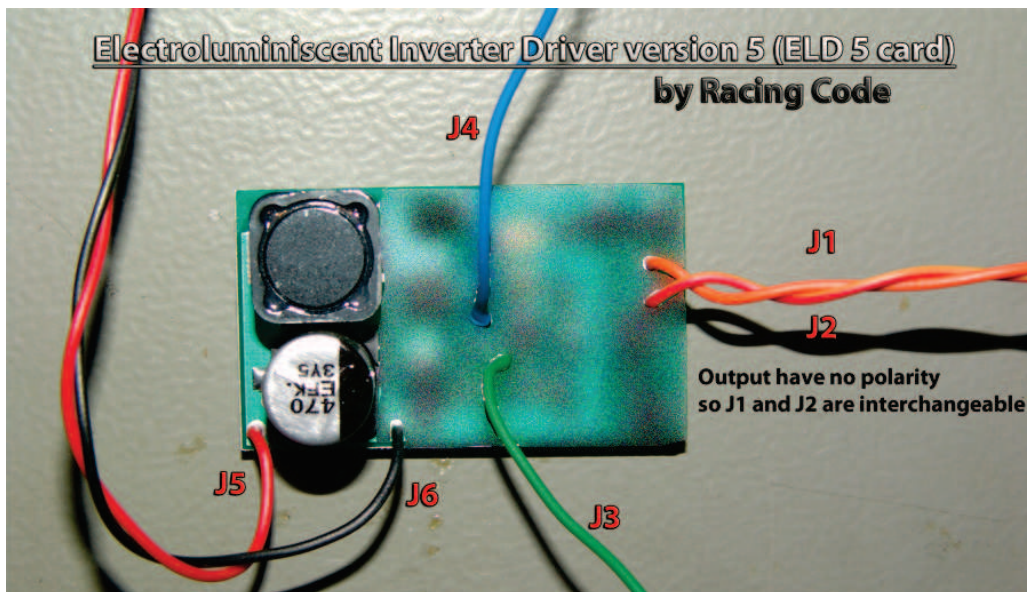
IF THE FOUR PCB TRACES ARE NOT PROPERLY CUT AS MENTIONED ABOVE, THE ELD5 CARD AND/OR MAINBOARD COULD BE MALFUNCTIONED AS A RESULT.

PLEASE MAKE SURE THAT ALL THE FOUR TRACES ARE CUT

5. Connect the ELD 5 card to the main board's PCB by soldering each ends of the six wires to the indicated points.

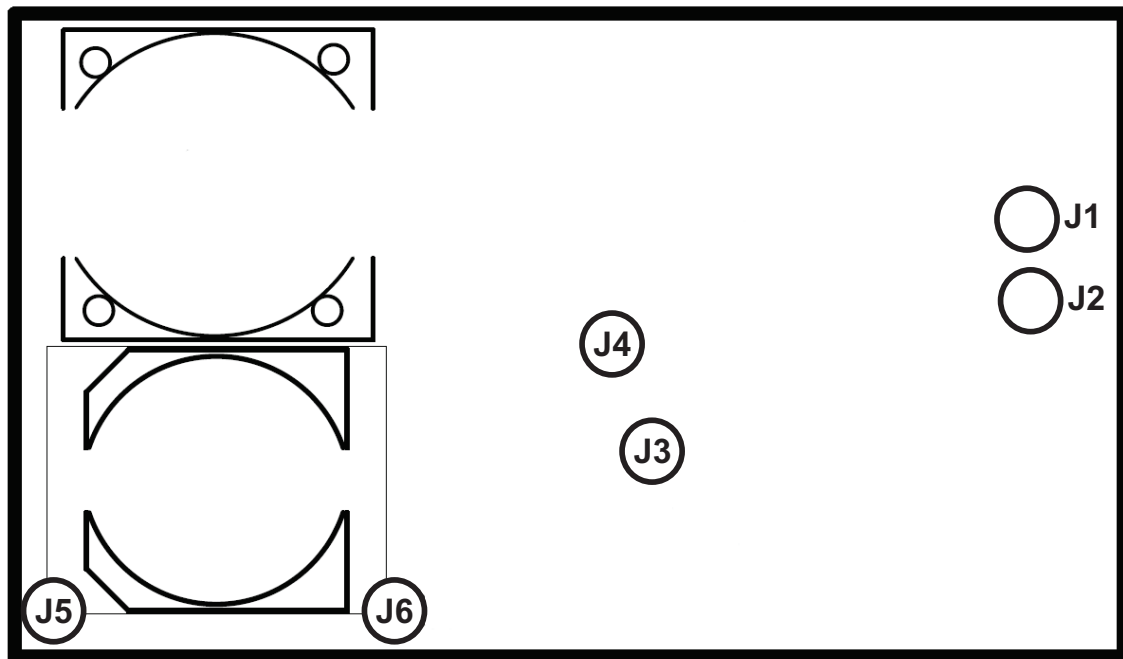


Main board connection points



The wire colors are irrelevant, always identify J1,J2,J3,J4,J5,J6 by consulting the pin-out bellow

ELD 5 - Pinout



www.racingcode.ro

6. Reconnect the transparent ribbon cable back into the the black socket.

7. Paying attention to the six wires reassemble the dashboard instrument cluster and mount it on the car.

Note:

Although the Install Procedure is not complicated and may look as a simple task, please consider the following:

ELD5 cards are high quality electronics cards fully tested before shipping and are guarantee to fix illuminations issue on specified vehicles without interfering in any harmful way with on boards electronics of the car.

Yet, if not carry out properly the six wires soldering could become the “weaker” point in this repair procedure.

If those soldering are not done by a experienced, qualified personnel, the wire could come loose in time due to vibrations of the car. Also on some soldering points (J3,J4) a less amount of heat could be required compared with the other points. (J5,J6).

To much heat on those delicate points (J3,J4) could damage the PCB traces, while to few heat on J5, J6 soldering points could lead to “cold soldering”.

Also, after soldering the six wires it is recommended to fix the wires to the PCB using some plastic glue gun, or protect the soldering using a plastic glue gun.

IF YOU ARE IN DOUBT ABOUT YOUR SOLDERING CAPABILITY ALWAYS ASK FOR QUALIFIED ASSISTANCE !